Author index

Aibara, K., see Iwaki, M. (1035) 146
Akamatsu, Y., see Iwaki, M. (1035) 146
Alegría, A.E., Rodríguez, M.S. and Hernández, J.
Semiquinones derived from anthraquinone-containing antitumor drugs can partition into phosphatidylcholine bilayers (1035) 51
Antholine, W.E., see Kalyanaraman, B. (1035) 286
Aroca, P., Garcia-Borron, J.C., Solano, F. and Lozano, J.A.
Regulation of mammalian melanogenesis I: partial purification and characterization of a dopachrome converting factor: dopachrome tautomerase (1035) 266
Aroca, P., see Jara, J.R. (1035) 276
Arrol, S., see Patel, B.N. (1035) 113
Ashall, F., Harris, D., Roberts, H., Healy, N. and Shaw, E.
Substrate specificity and inhibitor sensitivity of a trypanosomatid alkaline peptidase (1035) 293

Baker, R.R., see Matalon, S. (1035) 121
Bárány, K., Rokolya, A. and Bárány, M.
Analysis of myosin light chain phosphopeptides in phorbol dibutyrate-contracted artery (1035) 105
Bárány, M., see Bárány, K. (1035) 105
Bartel, T. and Holzhütter, H.-G.
Mathematical modelling of the purine metabolism of the rat liver (1035) 331
Berden, J.A., see Wolvetang, E.J. (1035) 6
Bergstrand, A., see Lundgren, B. (1035) 132
Bibi, E. and Laskov, R.
Selection and application of antibodies modifying the function of β-lactamase (1035) 237
Bielawski, J.
Two types of haemolytic activity of detergents (1035) 214
Boot-Handford, R.P., see Patel, B.N. (1035) 113
Borchardt, R.T., see Hidalgo, I.J. (1035) 97
Boutignon, F., Huet-Duvillier, G., Demeyer, D., Richet, C. and Degand, P.
Study of proteolytic activities released by incubation of trypanosomes (*Trypanosoma brucei brucei*) in pH 5.5 and pH 7.0 phosphate/glucose buffers (1035) 369
Bredl, C.R., see Zager, R.A. (1035) 29

Cederbaum, A.I., see Dicker, E. (1035) 249
Coffee, K.A., Halushka, P.V., Wise, W.C. and Cook, J.A.
Altered responses to modulators of guanine nucleotide binding protein activity in endotoxin tolerance (1035) 201
Cook, J.A., see Coffee, K.A. (1035) 201
Cook, J.D., see Nair, M.K. (1035) 306
Cotter, D.A., see Gupta, J. (1035) 243

Daifuku, K., see Mukai, K. (1035) 348
Dancker, P. and Hess, L.
Phalloidin reduces the release of inorganic phosphate during actin polymerization (1035) 197
Daood, M.J., see LaFramboise, W.A. (1035) 109
David, S., see Estramareix, B. (1035) 154
Degand, P., see Boutignon, F. (1035) 369
Demeyer, D., see Boutignon, F. (1035) 369
DePierre, J.W., see Lundgren, B. (1035) 132
Dicker, E., McHugh, T. and Cederbaum, A.I.
Increased oxidation of *p*-nitrophenol and aniline by intact hepatocytes isolated from pyrazole-treated rats (1035) 249
Durrington, P.N., see Patel, B.N. (1035) 113

Ebner, K.E., see Nair, M.K. (1035) 306
Eng, M.J., see Zager, R.A. (1035) 29
Ernster, L., see Sandri, G. (1035) 300
Escousse, A., see Goudonnet, H. (1035) 12
Estramareix, B. and David, S.
Conversion of 5-aminoimidazole ribotide to the pyrimidine of thiamin in enterobacteria: study of the pathway with specifically labeled samples of riboside (1035) 154

Fisher, L., see Zager, R.A. (1035) 29
Freeman, B.A., see Matalon, S. (1035) 121
Fujii, S., see Nishikawa, A. (1035) 313
Fujimoto, S., see Tamaki, N. (1035) 117

Gallagher, K.L., see Schachter, M. (1035) 378
Garcia-Borron, J.C., see Aroca, P. (1035) 266
Garcia-Borron, J.C., see Jara, J.R. (1035) 276
Gelvan, D. and Saltman, P.
Different cellular targets for Cu- and Fe-catalyzed oxidation observed using a Cu-compatible thiobarbituric acid assay (1035) 353
Gmur, D.J., see Zager, R.A. (1035) 29
Goudonnet, H., Magdalou, J., Mounie, J., Naoumi, A., Viriot, M.-L., Escousse, A., Siest, G. and Truchot, R.
Differential action of thyroid hormones and chemically related compounds on the activity of UDP-glucuronosyltransferases and cytochrome *P*-450 isozymes in rat liver (1035) 12
Gu, J., see Nishikawa, A. (1035) 313
Gupta, J. and Cotter, D.A.
Partial purification and characterization of trehalase from axenically grown myxamoebae of *Dictyostelium discoideum* (1035) 243
Guthrie, R.D., see LaFramboise, W.A. (1035) 109

Halushka, P.V., see Coffee, K.A. (1035) 201
Hanzlik, R.P., Zygmunt, J. and Moon, J.B.
Reversible covalent binding of peptide nitriles to papain (1035) 62
Harris, D., see Ashall, F. (1035) 293
Harty, D.W., see Patel, B.N. (1035) 113
Harumi, T., see Mita, M. (1035) 175
Hasegawa, K., see Hayashi, M. (1035) 230
Hashimoto, K., see Yaoi, Y. (1035) 139
Hayase, F., see Kato, H. (1035) 71
Hayashi, M., Hasegawa, K., Oguni, Y. and Unemoto, T.
Characterization of FMN-dependent NADH-quinone reductase induced by menadione in *Escherichia coli* (1035) 230
Healy, N., see Ashall, F. (1035) 293
Hernández, J., see Alegría, A.E. (1035) 51
Hess, L., see Dancker, P. (1035) 197
Hidalgo, I.J. and Borchardt, R.T.
Transport of bile acids in a human intestinal epithelial cell line, Caco-2 (1035) 97
Hineno, T., see Ueno, S.-i. (1035) 128
Holm, B.A., see Matalon, S. (1035) 121
Holzhütter, H.-G., see Bartel, T. (1035) 331
Hørder, M., see Petersen, A. (1035) 169
Huet-Duvillier, G., see Boutignon, F. (1035) 369

Ichikawa, Y., see Iwahashi, K. (1035) 182
Ito, M., see Yaoi, Y. (1035) 139
Iwahashi, K., Ozaki, H.S., Tsubaki, M., Ohnishi, J.-i., Takeuchi, Y. and Ichikawa, Y.
Studies of the immunohistochemical and biochemical localization of the cytochrome *P*-450$_{scc}$-linked monooxygenase system in the adult rat brain (1035) 182

Iwaki, M., Kitagawa, T., Akamatsu, Y. and Aibara, K.
Cytotoxic effects of aflatoxin B_1 and its association with cellular components in chicken embryo primary cultured cells (1035) 146

Jacobsen, J.P., see Petersen, A. (1035) 169
Jara, J.R., Solano, F., Garcia-Borron, J.C., Aroca, P. and Lozano, J.A.
Regulation of mammalian melanogenesis II: the role of metal cations (1035) 276
Jones, D., see Taylor, T. (1035) 37

Kaibara, M., see Kawamoto, Y. (1035) 361
Kakimoto, Y., see Ueno, S.-i. (1035) 128
Kalf, G.F., see Karaszkiewicz, J.W. (1035) 223
Kalyanaraman, B., Antholine, W.E. and Parthasarathy, S.
Oxidation of low-density lipoprotein by Cu^{2+} and lipoxygenase: an electron spin resonance study (1035) 286
Kaneko, M., see Tamaki, N. (1035) 117
Karakiulakis, G., Missirlis, E. and Maragoudakis, M.E.
Basement membrane collagen-degrading activity from a malignant tumor is inhibited by anthracycline antibiotics (1035) 218
Karaszkiewicz, J.W. and Kalf, G.F.
Purification and characterization of a benzene hydroxylase from rat liver mitochondria (1035) 223
Karlsson, K., see Lundgren, B. (1035) 132
Kato, H., Van Chuyen, N., Shinoda, T., Sekiya, F. and Hayase, F.
Metabolism of 3-deoxyglucosone, an intermediate compound in the Maillard reaction, administered orally or intravenously to rats (1035) 71
Kato, I., see Yaoi, Y. (1035) 139
Kawagishi, H., see Matsui, H. (1035) 90
Kawakura, K., see Okamura, N. (1035) 83
Kawamoto, Y. and Kaibara, M.
Procoagulant activity of collagen.. Effect of difference in type and structure of collagen (1035) 361
Kikuchi, S., see Mukai, K. (1035) 77
Kikugawa, M., see Tamaki, N. (1035) 117
Kitagawa, T., see Iwaki, M. (1035) 146
Kohno, A., Shinke, R. and Nanmori, T.
Features of the β-amylase isoform system in dry and germinating seeds of alfalfa (*Medicago sativa* L.) (1035) 325
Koitabashi, H., see Yaoi, Y. (1035) 139
Kondoh, K., see Ueno, S.-i. (1035) 128
Kristensen, S.R., see Petersen, A. (1035) 169

LaFramboise, W.A., Daood, M.J., Guthrie, R.D., Moretti, P., Schiaffino, S. and Ontell, M.
Electrophoretic separation and immunological identification of type 2X myosin heavy chain in rat skeletal muscle (1035) 109
Lambert, C., Land, E.J., Riley, P.A. and Truscott, T.G.
A pulse radiolysis investigation of the oxidation of methoxylated metabolites of indolic melanin precursors (1035) 319
Land, E.J., see Lambert, C. (1035) 319
Laskov, R., see Bibi, E. (1035) 237
Liu, Y., see Mak, O.T. (1035) 190
Lozano, J.A., see Aroca, P. (1035) 266
Lozano, J.A., see Jara, J.R. (1035) 276
Lundgren, B., Bergstrand, A., Karlsson, K. and DePierre, J.W.
Effects of dietary treatment with clofibrate, nafenopin or WY-14.643 on mitochondria and DNA in mouse liver (1035) 132

Mackness, M.I., see Patel, B.N. (1035) 113
Magdalou, J., see Goudonnet, H. (1035) 12
Mak, O.T., Liu, Y. and Tai, H.-H.
Purification and characterization of NAD^+-dependent 15-hydroxyprostaglandin dehydrogenase from porcine kidney (1035) 190
Maragoudakis, M.E., see Karakiulakis, G. (1035) 218
Matalon, S., Holm, B.A., Baker, R.R., Whitfield, M.K. and Freeman, B.A.
Characterization of antioxidant activities of pulmonary surfactant mixtures (1035) 121
Matsui, H., Kawagishi, H. and Usui, T.
Enzymatic synthesis of *p*-nitrophenyl 3^5-*O*-β-*N*-acetylglucosaminyl-α-maltopentaoside by lysozyme; a novel substrate for human amylase assay (1035) 90
McHugh, T., see Dicker, E. (1035) 249
Melching, L.I. and Roughley, P.J.
Studies on the interaction of newly secreted proteoglycan subunits with hyaluronate in human articular cartilage (1035) 20
Missirlis, E., see Karakiulakis, G. (1035) 218
Mita, M., Ueta, N., Harumi, T. and Suzuki, N.
The influence of an egg-associated peptide on energy metabolism in sea-urchin spermatozoa: the peptide stimulates preferential hydrolysis of phosphatidylcholine and oxidation of fatty acid (1035) 175
Mizuno, T., see Ueno, S.-i. (1035) 128
Moon, J.B., see Hanzlik, R.P. (1035) 62
Moore, S.A.
Cell size specific binding of the fluorescent dye calcofluor to budding yeast (1035) 206
Moretti, P., see LaFramboise, W.A. (1035) 109
Morino, H., see Ueno, S.-i. (1035) 128
Mounie, J., see Goudonnet, H. (1035) 12
Mukai, K., Daifuku, K., Yokoyama, S. and Nakano, M.
Stopped-flow investigation of antioxidant activity of estrogens in solution (1035) 348
Mukai, K., Kikuchi, S. and Urano, S.
Stopped-flow kinetic study of the regeneration reaction of tocopheroxyl radical by reduced ubiquinone-10 in solution (1035) 77
Muto, N., see Yamamoto, I. (1035) 44

Nagata, E., see Yamamoto, I. (1035) 44
Nair, M.K., Ebner, K.E. and Cook, J.D.
Isolation and characterization of a transferrin binding protein from rat plasma (1035) 306
Nakamura, T., see Yamamoto, I. (1035) 44
Nakano, M., see Mukai, K. (1035) 348
Nanmori, T., see Kohno, A. (1035) 325
Naoumi, A., see Goudonnet, H. (1035) 12
Nishikawa, A., Gu, J., Fujii, S. and Taniguchi, N.
Determination of *N*-acetylglucosaminyltransferases III, IV and V in normal and hepatoma tissues of rats (1035) 313

Oguni, Y., see Hayashi, M. (1035) 230
Ohnishi, J.-i., see Iwahashi, K. (1035) 182
Ohtsuki, K., see Saito, H. (1035) 161
Okamura, N., Onoe, S., Kawakura, K., Tajima, Y. and Sugita, Y.
Effects of a membrane-bound trypsin-like proteinase and seminal proteinase inhibitors on the bicarbonate-sensitive adenylate cyclase in porcine sperm plasma membranes (1035) 83
Olson, J.A., see Shi, H. (1035) 1
Onoe, S., see Okamura, N. (1035) 83
Ontell, M., see LaFramboise, W.A. (1035) 109
Ozaki, H.S., see Iwahashi, K. (1035) 182

Panfili, E., see Sandri, G. (1035) 300
Parthasarathy, S., see Kalyanaraman, B. (1035) 286
Patel, B.N., Mackness, M.I., Harty, D.W., Arrol, S., Boot-Handford, R.P. and Durrington, P.N.
Serum esterase activities and hyperlipidaemia in the streptozotocin-diabetic rat (1035) 113
Petersen, A., Kristensen, S.R., Jacobsen, J.P. and Hørder, M.
^{31}P-NMR measurements of ATP, ADP, 2,3-diphosphoglycerate and Mg^{2+} in human erythrocytes (1035) 169

Richet, C., see Boutignon, F. (1035) 369
Riley, P.A., see Lambert, C. (1035) 319
Roberts, H., see Ashall, F. (1035) 293
Rodríguez, M.S., see Alegría, A.E. (1035) 51
Rokolya, A., see Bárány, K. (1035) 105
Roughley, P.J., see Melching, L.I. (1035) 20

Saito, H., Shinohara, C. and Ohtsuki, K.
Characterization of a basic polypeptide-activated protein kinase in the eggs of the silkworm, *Bombyx mori* (1035) 161
Saito, K.
Enzyme-catalyzed cleavage of the *C*-glycosidic linkage to the aromatic ring-A of a 3′,4′,5,7-tetrahydroxyflavone 8-*C*-glycoside (1035) 340
Salminen, S.O., see Streeter, J.G. (1035) 257
Saltman, P., see Gelvan, D. (1035) 353
Sandri, G., Panfili, E. and Ernster, L.
Hydrogen peroxide production by monoamine oxidase in isolated rat-brain mitochondria: its effect on glutathione levels and Ca^{2+} efflux (1035) 300
Sano, A., see Ueno, S.-i. (1035) 128
Schachter, M., Gallagher, K.L. and Sever, P.S.
Measurement of intracellular magnesium in a vascular smooth muscle cell line using a fluorescent probe (1035) 378
Schiaffino, S., see LaFramboise, W.A. (1035) 109
Schutgens, R.B.H., see Wolvetang, E.J. (1035) 6
Sekiya, F., see Kato, H. (1035) 71
Sever, P.S., see Schachter, M. (1035) 378
Shaw, E., see Ashall, F. (1035) 293
Shi, H. and Olson, J.A.
Site of conversion of endogenous all-*trans*-retinoids to 11-*cis*-retinoids in the bovine eye (1035) 1
Shinke, R., see Kohno, A. (1035) 325
Shinoda, T., see Kato, H. (1035) 71
Shinohara, C., see Saito, H. (1035) 161
Siest, G., see Goudonnet, H. (1035) 12
Sigurdardóttir, O. and Wiman, B.
Complex formation between plasminogen activator inhibitor 1 and vitronectin in purified systems and in plasma (1035) 56
Solano, F., see Aroca, P. (1035) 266
Solano, F., see Jara, J.R. (1035) 276
Streeter, J.G. and Salminen, S.O.
Periplasmic metabolism of glutamate and aspartate by intact *Bradyrhizobium japonicum* bacteroids (1035) 257
Sugita, Y., see Okamura, N. (1035) 83
Suzuki, N., see Mita, M. (1035) 175
Suzuki, Y., see Yamamoto, I. (1035) 44

Tager, J.M., see Wolvetang, E.J. (1035) 6
Tai, H.-H., see Mak, O.T. (1035) 190
Tajima, Y., see Okamura, N. (1035) 83
Takahara, K., see Yaoi, Y. (1035) 139
Takeuchi, Y., see Iwahashi, K. (1035) 182
Tamaki, N., Kaneko, M., Kikugawa, M. and Fujimoto, S.
Evaluation of interconversion between (*R*)- and (*S*)-enantiomers of β-aminoisobutyrate (1035) 117
Taniguchi, N., see Nishikawa, A. (1035) 313
Taylor, T. and Jones, D.
Isolation and characterization of the 32.5 kDa protein from the venom of an endoparasitic wasp (1035) 37
Truchot, R., see Goudonnet, H. (1035) 12
Truscott, T.G., see Lambert, C. (1035) 319
Tsubaki, M., see Iwahashi, K. (1035) 182

Ueno, S.-i., Sano, A., Hineno, T., Kondoh, K., Mizuno, T., Morino, H. and Kakimoto, Y.
Further studies on D-3-aminoisobutyrate-pyruvate aminotransferase (1035) 128
Ueta, N., see Mita, M. (1035) 175
Unemoto, T., see Hayashi, M. (1035) 230
Urano, S., see Mukai, K. (1035) 77
Usui, T., see Matsui, H. (1035) 90

Van Chuyen, N., see Kato, H. (1035) 71
Viriot, M.-L., see Goudonnet, H. (1035) 12

Wanders, R.J.A., see Wolvetang, E.J. (1035) 6
Whitfield, M.K., see Matalon, S. (1035) 121
Wiman, B., see Sigurdardóttir, O. (1035) 56
Wise, W.C., see Coffee, K.A. (1035) 201
Wolvetang, E.J., Wanders, R.J.A., Schutgens, R.B.H., Berden, J.A. and Tager, J.M.
Properties of the ATPase activity associated with peroxisome-enriched fractions from rat liver: comparison with mitochondrial F_1F_0-ATPase (1035) 6

Yamamoto, I., Muto, N., Nagata, E., Nakamura, T. and Suzuki, Y.
Formation of a stable L-ascorbic acid α-glucoside by mammalian α-glucosidase-catalyzed transglucosylation (1035) 44
Yaoi, Y., Hashimoto, K., Koitabashi, H., Takahara, K., Ito, M. and Kato, I.
Primary structure of the heparin-binding site of type V collagen (1035) 139
Yokoyama, S., see Mukai, K. (1035) 348

Zager, R.A., Gmur, D.J., Bredl, C.R., Eng, M.J. and Fisher, L.
Regional responses within the kidney to ischemia: assessment of adenine nucleotide and catabolite profiles (1035) 29
Zygmunt, J., see Hanzlik, R.P. (1035) 62